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2 Pages

NPIC/R-75/64

February 1964

PHOTOGRAPHIC INTERPRETATION BRIEF

SYNTHETIC FUELS PLANT KRASNOYE,  
ANGARSK, USSR

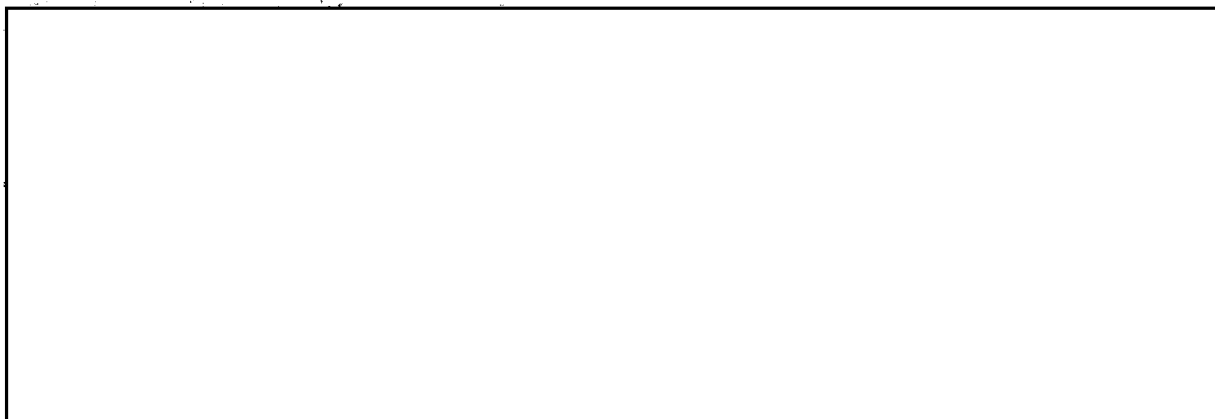


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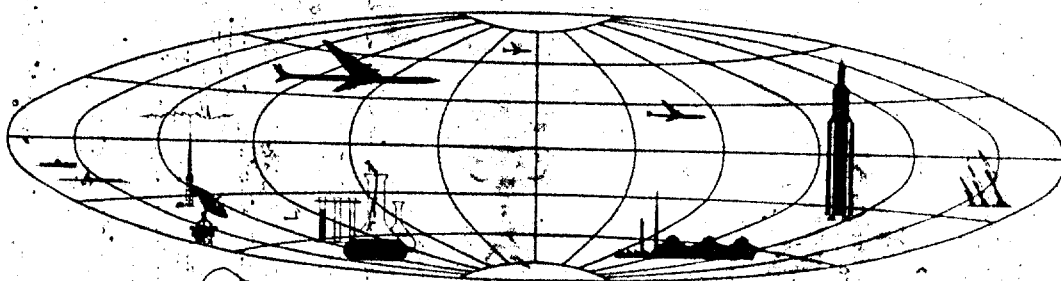


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25X1A

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Title: Synthetic Fuels Plant Krasnoye, Angarsk, USSR 25X1D	Geo Coords: 52-33N 103-56E NPIC Target No: 0200-1-A	Publication No: NPIC/R-75/64 Date: February 1964	
Photo Date: [REDACTED]			

References: USATC Series 200, Sheet 0200-22HL, 2d ed, May 62 (S)  
NPIC Project N-61/64 (PC-52-64)

25X1B

25X1D Synthetic Fuels Plant Krasnoye (Combine 16), located just north of the Gaseous Diffusion Plant, Angarsk, USSR, has long been suspected of containing a heavy water plant. Excellent-quality [REDACTED] photography of [REDACTED] provided the first good stereo coverage of this area and made possible the identification of most of the units of Combine 16, although haze and smoke precluded the identification of some of the small buildings. A search of this

A five-stack thermal electric power plant (TETS-1), with an estimated capacity of 290 megawatts, and its switching yard are located at the north end of Combine 16 (item 9, Figure 2). No other switching yards, substations, or rectifier buildings have been observed at the

ADDITIONAL REFERENCE

1. CIA/HTA. JR-6-58. [REDACTED]

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25X1D

25X1D Among the facilities identified at Combine 16 on the [REDACTED] photography is a water-gas installation (item 32, Figure 2). The method employed here appears to be the Fischer-Tropsch process in which coal is synthesized into heavy oil by means of open retorts and contact ovens. An adjacent refinery distills the oil into petroleum products.

One of the by-product facilities of the water-gas installation is an ammonia synthesis plant (Figure 1 and item 28, Figure 2). Some of the gases from the blow run are carried by overhead pipes from the retorts to the ammonia plant where they are synthesized. It is believed that nitric acid is one of the end products of this process.



FIGURE 1. AMMONIA SYNTHESIS PLANT, SYNTHETIC FUELS PLANT KRASNOYE, ANGARSK, USSR. [REDACTED]

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Item	Description	Item	Description	Item	Description	Item	Description
1	Rail spurs (5)	9	Thermal electric power plant	17	Gas holders	25	Cooling tower
2	Railroad station	10	Oil synthesis facility (3 bldgs)	18	Road and streetcar tracks	26	Service bldgs (2)
3	Coal conveyers with hoppers (2)	11	Gas holders	19	Gas stabilization unit	27	Maintenance bldg
4	Coal storage area	12	Sulfur removal units	20	Poss pipe furnace	28	Ammonia plant
5	Open storage area	13	Cooling towers (3)	21	Tank farm	29	Oil reservoirs
6	Contact-oven bldgs (hydrogen)	14	Guard wall	22	Infirmary	30	Gas holders (3)
7	Contact-oven bldgs (water gas)	15	Cooling towers (2)	23	Main entrance	31	Nitric acid preparation
8	Cooling towers (4)	16	Overhead pipeline to oil refinery	24	Laboratories	32	Water-gas retorts

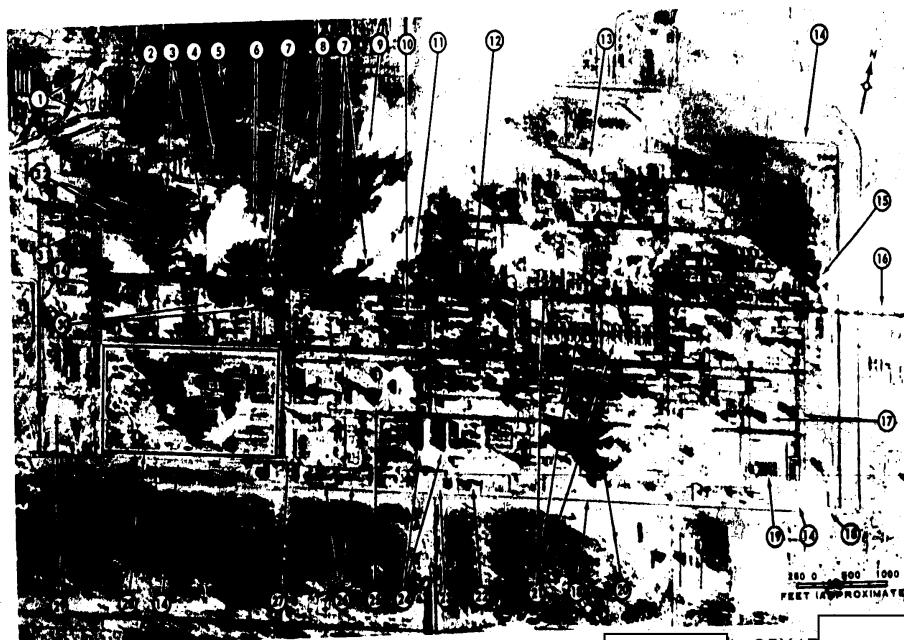


FIGURE 2. SYNTHETIC FUELS PLANT KRASNOYE, ANGARSK, USSR

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